**EX 4 (21-8-2023) - BONUS Question**

**Question 1**

**Create two lists of the same size from the user input and create a dictionary in such a way that the first list contains all the keys of the dictionary in order and the second list contains all the values of the dictionary in order. The dictionary has to be created using a loop. Also, delete an item whose key is taken from the user, and after deletion, extract the keys and values of the dictionary into two separate sets, and print them.**

**Note: If the lists are of different sizes, then you should print that the dictionary can not be created**

**Example: If the input lists are ['q', 'w', 'e', 'r', 't', 'y'] and ['1', '2', '3', '4', '5', '6'], then the dictionary is {'q': '1', 'w': '2', 'e': '3', 'r': '4', 't': '5', 'y': '6'}. Further, after deletion of item with key 'e', the sets printed will be {'q', 'w', 'r', 't', 'y'} and {'1', '2', '4', '5', '6'}**

**Question 2**

**Create two lists from the user input and create a merged list in such a way that the merged list contains elements from alternate lists in alternate index position with the first element from the first list. If one of the lists is larger than the other, then the merged list should be appended with the remaining elements of the larger list in reverse order. Note that if the first list is of size L1 and the second list is of size L2, then the merged list should be of size L1+L2 and should contain all the elements of the two lists. Also, convert the two lists to sets and perform the set difference of the smaller-sized set from the bigger-sized one, provided the lists are of different sizes.**

**Example: If the first list is [1,2,3,4,5,6,7,8,9,10] and the second one is ['a','b','c','d','e'], then the merged list should be [1, 'a', 2, 'b', 3, 'c', 4, 'd', 5, 'e', 10, 9, 8, 7, 6] and the set difference will output {1,2,3,4,5,6,7,8,9,10}**

**Note: You should use loops and index checks.**